

UNITED STATES DISTRICT COURT  
SOUTHERN DISTRICT OF NEW YORK

|                                                       |   |                                   |
|-------------------------------------------------------|---|-----------------------------------|
| -----                                                 | X |                                   |
| In re: Methyl Tertiary Butyl Ether ("MTBE")           | : | <b>Master File No. 1:00-1898</b>  |
| Products Liability Litigation                         | : | <b>MDL No. 1358 (SAS)</b>         |
|                                                       | : | <b>M21-88</b>                     |
|                                                       | : |                                   |
| This Document Relates To:                             | : | The Honorable Shira A. Scheindlin |
| <i>Crescenta Valley Water District v. Exxon Mobil</i> | : |                                   |
| <i>Corporation, et al., Case No. 07 Civ. 9453</i>     | : |                                   |
| <i>(SAS)</i>                                          | : |                                   |
|                                                       | : |                                   |
| -----                                                 | X |                                   |

**DECLARATION OF LAWRENCE A. COX IN SUPPORT OF BP DEFENDANTS'  
MOTION FOR PARTIAL SUMMARY JUDGMENT AS TO CERTAIN CVWD WELLS**

**DECLARATION OF LAWRENCE A. COX**

I, Lawrence A. Cox, hereby declare:

1. I am an attorney duly licensed to practice law in the State of California and before this Court in *MDL 1358*. I have personal and firsthand knowledge of the facts hereinafter set forth, and if called as a witness I could and would competently testify to the following.

2. Attached hereto as Exhibit 2 is a true and correct copy of correspondence dated February 3, 2011 from counsel for plaintiff Crescenta Valley Water District (“CVWD”), which correspondence included as an attachment the MTBE detections reported by CVWD in its well system for the period March 4, 1997 through and including January 25, 2011.

3. Attached hereto as Exhibit 3 is a true and correct copy of correspondence produced in this matter by CVWD dated March 2, 2011 from the California Department of Public Health to CVWD authorizing the return to service of Well 5, which correspondence included information regarding MTBE detections reported by CVWD up through and including March 1, 2011.

4. On July 2, 2010 Dr. Stephen Wheatcraft served his expert report in this case. That report contained a separate computer model run for the concentrations of MTBE allegedly contributed to all CVWD wells by the former ARCO service station at 6454 Foothill Blvd., La Crescenta, California (“former ARCO station”). A true and correct copy of that model run for the former ARCO station only is attached hereto as Exhibit 4.

5. Attached hereto as Exhibit 5 is a true and correct copy of a portion of the deposition testimony and exhibits marked during the November 8, 2010 deposition of David Huntley, PhD. I attended that deposition and questioned Dr. Huntley. The portions of the


transcript marked as Exhibit 5 accurately reflect the questions asked and answers received, as well as the exhibits marked, during that proceeding.

6. Attached hereto as Exhibit 6 is a true and correct copy of the hearing transcript for the proceedings held before this Court on March 10, 2011.

7. Attached hereto as Exhibit 7 is a true and correct copy of correspondence from me to CVWD's counsel Mr. Miller dated March 15, 2011 in which I request that CVWD's counsel stipulate to entry of partial summary judgment in favor of BP as to CVWD Wells 1, 6, 7, 8, 9, 10, 11, 12, 14 and 15. No response to Exhibit 7 was received.

8. Attached hereto as Exhibit 8 is a true and correct copy of an email dated March 17, 2011 from me to Mr. Miller, which attached the stipulation enclosed with my March 15, 2011 correspondence. I did receive a phone call from Mr. Axline in response to Exhibit 8 requesting that BP delay filing its Rule 56 motion until a further model run was generated by Dr. Wheatcraft to address possible errors related to continuing to add MTBE mass to his model for the period *from and after July, 2010*. However, I declined this request as any possible changes to Dr. Wheatcraft's modeling results would necessarily not pertain to earlier time periods during 2006 - 2008, when CVWD reported MTBE concentrations at or above 5 ppb and .5 ppb (see Costley Decl. Ex. 1).

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct and that this declaration was executed on March 31, 2011 at Los Angeles, California.

  
Lawrence A. Cox

# **EXHIBIT 2**

Law Offices of  
**MILLER, AXLINE & SAWYER**  
A Professional Corporation

DUANE C. MILLER  
MICHAEL AXLINE  
A. CURTIS SAWYER, JR.

TRACEY L. O'REILLY  
TAMARIN E. AUSTIN  
EVAN EICKMEYER  
DANIEL BOONE  
JUSTIN MASSEY

February 3, 2011

VIA LNFS

All Counsel

Re: *Crescenta Valley Water District v. Exxon Mobil Corp., et al.*,  
United States District Court, Southern District of New York, MDL 1358  
Case No. 07 Civ. 9453 (SAS); Los Angeles Superior Court, Case No. EC044232  
**Plaintiff's Production of Documents**

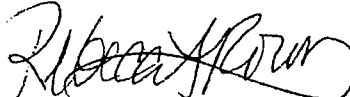
Dear Counsel:

Please be find attached additional pages produced by plaintiff Crescenta Valley Water District in the referenced matter. These pages are Bates labeled CVWD\_MTBE\_086747 through CVWD\_MTBE\_086770. These documents may be obtained by contacting:

Dave Wilkinson  
CAPITOL DIGITAL DOCUMENT SOLUTIONS  
555 Capitol Mall, Suite 540  
Sacramento, California 95814  
Office: (916) 449-2820  
Fax: (916) 449-2821  
[dwilkinson@capitol-digital.com](mailto:dwilkinson@capitol-digital.com)

If you have any questions or concerns, please do not hesitate to contact me.

Very truly yours,



Rebecca Rizzo  
Paralegal

Attachments

## CRESCENTA VALLEY WATER DISTRICT

## Summary of Methyl tert-Butyl Ether (MTBE) Results (ug/l) - 1997 through 2011

| Sample Date | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | MW 1 | MW 2 | MW 4 | Classroom Forebay | MTBE Forebay | Existed Reservoir | Lab      | DL (ug/L) | MDL (ug/l) | Comments                             | MTBE Primary MCL | MTBE Secondary MCL |
|-------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|------|------|------|-------------------|--------------|-------------------|----------|-----------|------------|--------------------------------------|------------------|--------------------|
| 3/4/97      | ND     |        | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      |         |         |      |      |      |                   |              |                   | Clinical | 1.0       |            | Annual Sample                        | 13               | 5                  |
| 4/1/97      |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 5.0       |            | Annual Sample                        | 13               | 5                  |
| 2/3/98      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 5.0       |            | Quarterly Sample                     | 13               | 5                  |
| 5/5/98      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 5.0       |            | Quarterly Sample                     | 13               | 5                  |
| 8/4/98      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 5.0       |            | Quarterly Sample                     | 13               | 5                  |
| 11/3/98     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |
| 12/9/98     |        |        |        |        |        |        |        |         |         |         | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |
| 2/16/99     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Annual Sample                        | 13               | 5                  |
| 1/31/00     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Annual Sample                        | 13               | 5                  |
| 12/7/00     |        |        |        |        |        |        |        |         |         |         |         | ND      |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - 185 ft to 205 ft lgs | 13               | 5                  |
| 12/7/00     |        |        |        |        |        |        |        |         |         |         |         | ND      |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - 118 ft to 138 ft lgs | 13               | 5                  |
| 2/6/01      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Annual Sample                        | 13               | 5                  |
| 3/20/01     |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | After Test Pumping Well 15           | 13               | 5                  |
| 5/1/01      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | UCKR Sample                          | 13               | 5                  |
| 5/23/01     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 5.0       |            | UCKR Sample                          | 13               | 5                  |
| 8/7/01      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | UCKR Sample                          | 13               | 5                  |
| 11/6/01     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | UCKR Sample                          | 13               | 5                  |
| 1/3/02      |        |        |        |        |        |        |        |         |         |         |         | ND      |      |      |      |                   |              |                   | Clinical | 3.0       |            | UCKR Sample                          | 13               | 5                  |
| 2/5/02      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Install New Pump @ Well 15           | 13               | 5                  |
| 2/8/02      |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Annual Sample                        | 13               | 5                  |
| 2/26/02     |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - Well 17              | 13               | 5                  |
| 3/11/02     | ND     | ND     |        |        |        | ND     |        | ND      |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - Well 17              | 13               | 5                  |
| 3/19/02     |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 5.0       |            | UCKR Sample                          | 13               | 5                  |
| 3/22/02     |        |        |        |        |        |        |        |         |         |         |         | ND      |      |      |      |                   |              |                   | Clinical | 3.0       |            | Put into Service - Well 15           | 13               | 5                  |
| 12/18/02    |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - Well 17              | 13               | 5                  |
| 12/19/02    |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW4                  | 13               | 5                  |
| 12/29/02    |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW4                  | 13               | 5                  |
| 1/3/03      |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW4                  | 13               | 5                  |
| 1/8/03      |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW2                  | 13               | 5                  |
| 1/16/03     |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW4                  | 13               | 5                  |
| 1/17/03     |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW4                  | 13               | 5                  |
| 1/27/03     |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling - MW2                  | 13               | 5                  |
| 2/4/03      |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling 70 lgs - MW1           | 13               | 5                  |
| 5/6/03      | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Zone Sampling 130 lgs - MW1          | 13               | 5                  |
| 2/4/04      | ND     | ND     | 1.20   | ND     | ND     |        |        | ND      | ND      | 0.64    | ND      |         |      |      |      |                   |              |                   | Clinical | 0.5       |            | Zone Sampling - MW2                  | 13               | 5                  |
| 3/17/04     |        |        | 3.50   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Re-Sample                            | 13               | 5                  |
| 5/4/04      |        |        | ND     |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |
| 8/3/04      |        |        | ND     |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |
| 11/2/04     |        |        | ND     |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |
| 2/11/05     | ND     | ND     | 3.90   | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Annual Sample                        | 13               | 5                  |
| 2/11/05     |        |        | 3.40   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | 2nd Sample on same date              | 13               | 5                  |
| 2/22/05     |        |        | 6.40   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Re-Sample                            | 13               | 5                  |
| 3/9/05      |        |        | 3.40   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | MWH      | 3.0       |            | Re-Sample at another lab             | 13               | 5                  |
| 3/15/05     |        |        | ND     |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Re-sample - 2nd sample sent to MWH   | 13               | 5                  |
| 3/15/05     |        |        | 3.40   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | MWH      | 1.0       |            | Re-Sample at another lab             | 13               | 5                  |
| 5/3/05      |        |        | 3.10   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |
| 8/2/05      |        |        | 3.90   |        |        |        |        |         |         |         |         |         |      |      |      |                   |              |                   | Clinical | 3.0       |            | Quarterly Sample                     | 13               | 5                  |

C:\Users\Rebecca\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\GLV6DKZ1\CVWD MTBE Well result Subagency Update w-charts.xlsx

Revised Date: 2/3/2011

# CRESCENTA VALLEY WATER DISTRICT

## Summary of Methyl tert-Butyl Ether (MTBE) Results (ug/l) - 1997 through 2011

| Summary of Monthly Inter-Daily Emer (MIBE) Results (ug/l) - 1997 through 2011 |        |        |        |        |        |        |        |         |         |         |         |         |       |       |       |                   |                |               |          |           |               |                          |
|-------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|-------|-------|-------|-------------------|----------------|---------------|----------|-----------|---------------|--------------------------|
| Sample Date                                                                   | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | MTW 1 | MTW 2 | MTW 4 | Cleavland Forebay | Millie Forebay | Escal Reserve | Lab      | DL (ug/L) | MDL (ug/l)    | Comments                 |
| 11/1/05                                                                       |        |        | 4.40   |        |        |        |        |         |         |         |         |         |       |       |       |                   |                |               | Clinical | 3.0       |               | Quarterly Sample         |
| 1/10/06                                                                       | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      | ND      | ND    | ND    | ND    |                   |                |               | Clinical | 3.0       |               | Annual Sample            |
| 5/2/06                                                                        |        |        | ND     |        |        |        |        |         |         |         |         |         |       |       |       |                   |                |               | Clinical | 3.0       |               | Quarterly Sample         |
| 8/5/06                                                                        |        |        | ND     | 0.00   |        |        |        |         |         |         |         |         |       |       |       |                   |                |               | Clinical | 3.0       |               | Quarterly Sample         |
| 8/30/06                                                                       | 7.40   | ND     | 0.51   | ND     | 29     | 0.64   | ND     | ND      | 0.51    | 0.89    | ND      | ND      | 0.00  | 0.00  | 0.72  | 0.41              | 0.41           | 0.00          | Clinical | 3.0       |               | Quarterly Sample         |
| 9/6/06                                                                        | 6.50   | ND     | ND     | ND     | 29     | ND     | ND     | ND      | ND      | ND      | ND      | ND      | 0.00  | 0.00  | 0.72  | 0.41              | 0.41           | 0.00          | BC       | 0.5       |               | Re-Sample at another lab |
| 9/6/06                                                                        | 4.00   | ND     | ND     | ND     | 27     | ND     | ND     | ND      | ND      | ND      | ND      | ND      | 0.00  | 0.00  | 0.72  | 0.41              | 0.41           | 0.00          | FGL      | 1.0       |               | Re-Sample at another lab |
| 10/2/06                                                                       | 3.70   | 0.39   | 0.66   | 0.44   | 41     | 0.86   | 0.51   | ND      | 0.60    | 0.54    | ND      | ND      | 0.00  | 0.00  | 0.72  | 0.41              | 0.41           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 10/10/06                                                                      | 3.90   | 0.70   | 0.67   | 0.58   | 42     | 0.80   | 0.49   | 0.41    | 0.64    | 0.95    | 0.41    | 0.42    | 0.00  | 0.00  | 0.72  | 0.61              | 1.50           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 10/17/06                                                                      | 3.50   | 0.57   | 0.76   | 0.54   | 49     | 0.81   | 0.56   | 0.43    | 0.70    | 1.30    | 0.39    | 0.37    | 0.00  | 0.00  | 0.72  | 0.65              | 1.20           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 10/24/06                                                                      | 3.00   | 0.71   | 0.61   | 0.54   | 50     | 0.77   | 0.55   | 0.43    | 0.68    | 1.50    | 0.43    | 0.41    | 0.00  | 0.00  | 0.72  | 0.77              | 1.70           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 10/31/06                                                                      | 3.00   | 0.63   | 0.62   | 0.48   | 47     | 0.75   | 0.54   | 0.35    | 0.62    | 1.10    | 0.52    | 0.40    | 0.00  | 0.00  | 0.72  | 0.69              | 2.00           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 11/7/06                                                                       | 2.20   | 0.70   | 0.60   | 0.42   | 43     | 0.75   | 0.48   | ND      | 0.56    | 0.96    | 0.51    | ND      | 0.00  | 0.00  | 0.72  | 0.66              | 1.20           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 11/14/06                                                                      | 1.40   | 0.67   | 0.38   | ND     | 43     | 0.70   | ND     | Off     | 0.57    | 0.78    | 0.53    | ND      | 0.00  | 0.00  | 0.72  | 0.68              | 1.00           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 11/21/06                                                                      | 0.71   | 0.62   | 0.47   | 0.35   | 47     | 0.63   | 0.30   | Off     | 0.34    | 0.56    | 0.37    | ND      | ND    | 0.00  | 0.72  | 0.52              | 0.53           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 11/28/06                                                                      | 0.74   | 0.57   | ND     | ND     | 38     | 0.50   | ND     | Off     | 0.41    | 0.63    | 0.49    | ND      | 0.00  | 0.00  | 0.72  | 0.53              | 0.54           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 12/5/06                                                                       | 0.83   | 0.57   | 0.38   | ND     | 41     | 0.62   | 0.37   | ND      | 0.42    | 0.66    | 0.33    | ND      | 0.00  | 0.00  | 0.72  | 0.56              | 0.58           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 12/12/06                                                                      | 0.76   | 0.57   | 0.43   | 0.30   | 37     | 0.58   | 0.37   | ND      | 0.38    | 0.60    | 0.54    | ND      | 0.00  | 0.00  | 0.72  | 0.50              | 0.48           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 12/19/06                                                                      | 0.67   | 0.57   | ND     | ND     | 35     | 0.59   | ND     | ND      | ND      | 0.55    | 0.59    | ND      | 0.63  | 0.66  | 0.61  | 0.50              | 0.55           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 12/26/06                                                                      | 0.63   | 0.59   | ND     | ND     | 37     | 0.58   | ND     | 0.58    | ND      | 0.53    | 0.64    | ND      | 0.63  | 0.66  | 0.61  | 0.50              | 0.57           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 1/2/07                                                                        | 0.76   | 0.64   | ND     | ND     | 26     | 0.57   | ND     | ND      | ND      | 0.53    | 0.60    | ND      | 0.63  | 0.66  | 0.61  | 0.52              | 0.50           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 1/9/07                                                                        | 0.80   | 0.64   | 0.40   | ND     | 24     | 0.52   | ND     | ND      | 0.36    | 0.49    | 0.58    | ND      | 0.63  | 0.66  | 0.61  | ND                | 0.49           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 1/16/07                                                                       | 0.65   | 0.64   | ND     | ND     | 18     | 0.51   | 0.31   | ND      | 0.37    | 0.50    | 0.68    | ND      | ND    | 0.65  | 0.51  | 0.54              | 0.00           | BC            | 0.5      | 0.13      | Weekly Sample |                          |
| 1/23/07                                                                       | 0.59   | 0.64   | 0.41   | ND     | 17     | 0.53   | 0.31   | ND      | 0.42    | 0.52    | 0.65    | ND      | 0.00  | 0.00  | 0.65  | 0.44              | 0.43           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 1/30/07                                                                       | 0.36   | 0.64   | 0.32   | ND     | 16     | 0.40   | 0.21   | ND      | 0.28    | 0.45    | 0.62    | 0.13    | 0.00  | 0.00  | 0.65  | 0.34              | 0.29           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 2/6/07                                                                        | 0.40   | 0.64   | 0.31   | ND     | 12     | 0.41   | 0.20   | ND      | 0.25    | 0.37    | 0.62    | ND      | 0.00  | 0.00  | 0.65  | 0.45              | 0.24           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 2/13/07                                                                       | 0.35   | 0.64   | 0.33   | ND     | 11     | 0.44   | 0.23   | 0.13    | 0.30    | 0.18    | 0.63    | ND      | 0.00  | 0.00  | 0.65  | 0.27              | 0.29           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 2/20/07                                                                       | 0.35   | Off    | 0.33   | ND     | 11     | 0.44   | 0.23   | 0.13    | 0.30    | 0.18    | 0.63    | ND      | 0.00  | 0.00  | 0.65  | 0.27              | 0.29           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 2/27/07                                                                       | 0.33   | Off    | 0.29   | ND     | 6.90   | 0.43   | 0.24   | ND      | 0.31    | 0.37    | 0.72    | 0.14    | 0.00  | 0.00  | 0.65  | 0.42              | 0.30           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 3/6/07                                                                        | 0.37   | Off    | 0.30   | ND     | 5.00   | 0.43   | 0.29   | ND      | 0.30    | 0.33    | 0.68    | 0.14    | 0.00  | 0.00  | 0.65  | 0.47              | 0.31           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 3/13/07                                                                       | 0.33   | Off    | 0.29   | ND     | 3.10   | 0.44   | 0.21   | ND      | 0.27    | 0.30    | 0.80    | 0.13    | 0.00  | 0.00  | 0.65  | 0.34              | 0.27           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 3/20/07                                                                       | 0.30   | Off    | 0.30   | ND     | 2.50   | 0.44   | 0.22   | ND      | 0.29    | 0.25    | 0.86    | ND      | 0.00  | 0.00  | 0.65  | 0.41              | 0.25           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 3/27/07                                                                       | 0.29   | Off    | 0.34   | ND     | 2.60   | 0.43   | 0.23   | ND      | 0.28    | 0.26    | 0.85    | ND      | 0.00  | 0.00  | 0.65  | 0.41              | 0.25           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 4/3/07                                                                        | 0.34   | Off    | 0.33   | ND     | 2.80   | 0.43   | 0.23   | ND      | 0.32    | 0.30    | 0.93    | ND      | 0.00  | 0.00  | 0.65  | 0.50              | 0.27           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 4/10/07                                                                       | 0.17   | Off    | 0.15   | ND     | 1.62   | 0.24   | 0.12   | ND      | 0.17    | 0.14    | 0.49    | ND      | 0.00  | 2.90  | 0.00  | 0.27              | 0.12           | 0.00          | ATLC     | 0.5       | 0.13          | Split Sample-ALTC Lake   |
| 4/10/07                                                                       | 0.31   | Off    | 0.29   | ND     | 2.50   | 0.39   | 0.20   | ND      | 0.29    | 0.26    | 0.88    | 0.14    | 0.00  | 2.90  | 0.00  | 0.38              | 0.28           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 4/17/07                                                                       | 0.32   | Off    | 0.34   | ND     | 2.30   | 0.44   | 0.22   | ND      | 0.24    | 0.26    | 0.91    | 0.13    | 0.00  | 2.90  | 0.00  | 0.28              | 0.26           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 4/24/07                                                                       | 0.33   | Off    | 0.32   | ND     | 2.50   | 0.42   | 0.27   | ND      | 0.28    | 0.27    | 1.0     | ND      | 0.00  | 2.90  | 0.00  | 0.38              | 0.25           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 5/1/07                                                                        | 0.31   | Off    | 0.31   | ND     | 2.20   | 0.48   | 0.24   | ND      | 0.29    | 0.26    | 1.0     | 0.13    | 0.00  | 2.90  | 0.00  | 0.44              | 0.28           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 5/8/07                                                                        | 0.28   | Off    | 0.26   | ND     | 2.00   | 0.39   | 0.21   | ND      | 0.22    | 0.27    | 1.1     | ND      | ND    | ND    | 3.50  | 0.34              | 0.24           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 5/15/07                                                                       | 0.32   | Off    | 0.27   | ND     | 3.20   | 0.43   | 0.28   | ND      | 0.26    | 0.28    | 1.2     | 0.13    | ND    | ND    | 1.20  | 0.26              | 0.63           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 5/22/07                                                                       | 0.30   | Off    | 0.28   | ND     | 2.20   | 0.46   | 0.21   | ND      | 0.26    | 0.23    | 1.2     | 0.13    | 0.00  | 0.00  | 1.20  | ND                | 0.23           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 5/29/07                                                                       | 0.27   | Off    | 0.25   | ND     | 2.00   | 0.43   | 0.18   | ND      | 0.24    | 0.23    | 1.2     | ND      | 0.00  | 0.00  | 1.20  | 0.22              | 0.58           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 6/5/07                                                                        | 0.27   | Off    | 0.27   | ND     | 2.10   | 0.45   | 0.20   | ND      | 0.24    | 0.28    | 1.2     | ND      | 0.00  | 0.00  | 1.20  | 0.43              | 0.24           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 6/12/07                                                                       | 0.30   | Off    | 0.30   | ND     | 2.00   | 0.52   | 0.21   | ND      | 0.27    | 0.29    | 1.4     | 0.13    | 0.00  | 0.00  | 1.20  | 0.70              | 0.26           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 6/19/07                                                                       | 0.32   | Off    | 0.32   | ND     | 2.20   | 0.52   | 0.22   | ND      | 0.28    | 0.16    | 1.5     | 0.14    | 0.00  | 0.00  | 1.20  | 0.37              | 0.28           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 6/26/07                                                                       | 0.33   | Off    | 0.37   | ND     | 1.50   | 0.56   | 0.22   | ND      | 0.29    | 0.16    | 1.6     | 0.16    | 0.00  | 0.00  | 1.20  | 0.80              | 0.24           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |
| 7/3/07                                                                        | 0.27   | Off    | 0.28   | ND     | 1.70   | 0.52   | 0.21   | ND      | 0.26    | 0.16    | 1.6     | 0.14    | 0.00  | 0.00  | 1.20  | 0.43              | 0.25           | 0.00          | BC       | 0.5       | 0.13          | Weekly Sample            |

C:\Users\Rebecca\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\GLV6DKZ1\CWVD MTBE Well result Strategy Update w-charts.xlsx

Revised Date: 2/2/2011



## CRESCENTA VALLEY WATER DISTRICT

Summary of Methyl tert-Butyl Ether (MTBE) Results (ug/l) - 1997 through 2011

| Sample Date | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | MW 1 | MW 2 | MW 4  | Clewood<br>Everbay | Mills<br>Forebay | Expiral<br>Reservoir | Lab | DL<br>(ug/l) | MDL<br>(ug/l) | Comments       | MTBE<br>Primary<br>MCL | MTBE<br>Secondary<br>MCL |
|-------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|------|------|-------|--------------------|------------------|----------------------|-----|--------------|---------------|----------------|------------------------|--------------------------|
| 7/10/07     | 0.28   | 0.07   | 0.32   | 0.14   | 1.40   | 0.57   | 0.20   | ND      | 0.27    | 0.14    | 1.6     | 0.16    | 0.00 | 0.00 | 1.20  | 0.46               | 0.25             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 7/17/07     | 0.27   | 0.07   | 0.30   | 0.13   | 1.30   | 0.55   | 0.19   | ND      | 0.25    | 0.18    | 1.5     | 0.14    | 0.00 | 0.00 | 1.20  | 0.46               | 0.25             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 7/24/07     | 0.27   | 0.07   | 0.29   | 0.10   | 1.10   | 0.55   | 0.18   | ND      | 0.23    | 0.16    | 1.6     | 0.14    | 0.00 | 0.00 | 1.20  | ND                 | 0.24             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 7/31/07     | 0.27   | 0.07   | 0.28   | 0.10   | 1.00   | 0.53   | 0.18   | ND      | 0.23    | 0.14    | 1.5     | ND      | 0.00 | 0.00 | 1.20  | 0.49               | 0.21             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 8/7/07      | 0.29   | 0.07   | 0.26   | ND     | 0.55   | 0.56   | 0.20   | 0.17    | 0.30    | 0.32    | 1.6     | 0.13    | 0.00 | 0.00 | 1.20  | 0.60               | 0.25             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 8/14/07     | 0.30   | 0.07   | 0.31   | ND     | 0.82   | 0.58   | 0.18   | 0.15    | 0.28    | 0.36    | 1.7     | 0.13    | ND   | ND   | 2.50  | 0.57               | 0.28             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 8/21/07     | 0.29   | 0.07   | 0.32   | ND     | 0.65   | 0.59   | 0.18   | 0.20    | 0.32    | 0.42    | 1.7     | 0.13    | 0.00 | 0.00 | 2.50  | 0.62               | 0.22             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 8/28/07     | 0.29   | 0.07   | 0.31   | ND     | 1.10   | 0.49   | 0.18   | 0.16    | 0.28    | 0.37    | 1.6     | 0.13    | 0.00 | 0.00 | 2.50  | 0.53               | 0.26             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 9/4/07      | 0.29   | 0.07   | 0.32   | ND     | 0.46   | 0.57   | 0.17   | 0.15    | 0.26    | 0.38    | 1.5     | 0.13    | 0.00 | 0.00 | 2.50  | 0.58               | 0.22             | 0.00                 | BC  | 0.5          | 0.13          | Weekly Sample  | 13                     | 5                        |
| 10/2/07     | 0.26   | 0.07   | 0.41   | ND     | 0.53   | 0.61   | 0.18   | 0.30    | 0.27    | 0.42    | 0.99    | ND      | ND   | ND   | 5.2   | 0.34               | 0.25             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 11/6/07     | 0.23   | 0.07   | 0.25   | ND     | 0.32   | 0.60   | 0.15   | 0.13    | 0.24    | 0.32    | 0.93    | ND      | ND   | ND   | ND    | 0.64               | 0.24             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 12/4/07     | 0.41   | 0.07   | ND     | 0.37   | 0.19   | 0.26   | 0.23   | 0.17    | 0.38    | 1.00    | ND      | 0.32    | ND   | ND   | 2.4   | 0.58               | 0.56             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 1/8/08      | 0.24   | 0.07   | 1.7    | ND     | 0.28   | 0.63   | ND     | ND      | 0.24    | 0.07    | 1.40    | ND      | ND   | ND   | 2.6   | 0.47               | 0.75             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 2/5/08      | ND     | 0.07   | 1.8    | ND     | 0.28   | 0.68   | ND     | ND      | ND      | 0.07    | 0.55    | ND      | ND   | ND   | ND    | 0.47               | 0.61             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 3/5/08      | 0.26   | 0.07   | 0.95   | 0.31   | 0.28   | 0.71   | ND     | ND      | ND      | 0.07    | 0.07    | ND      | ND   | ND   | 2.4   | 0.38               | 0.42             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 4/1/08      | ND     | 0.07   | 0.41   | ND     | 0.29   | 0.84   | ND     | ND      | ND      | 0.07    | 0.07    | ND      | ND   | ND   | 7.3   | ND                 | 0.47             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 5/6/08      | ND     | 0.07   | 0.51   | ND     | 0.32   | 0.87   | 0.07   | ND      | ND      | 0.46    | 0.07    | ND      | ND   | ND   | 8.3   | 0.42               | ND               | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 6/3/08      | ND     | 0.07   | 2.3    | 0.39   | 0.27   | 0.84   | 0.07   | ND      | ND      | 0.28    | 0.34    | 0.54    | ND   | ND   | 1.4   | 0.47               | 0.22             | 0.00                 | BC  | 0.5          | 0.13          | Monthly Sample | 13                     | 5                        |
| 7/1/08      | 0.25   | 0.07   | 3.7    | 0.50   | 0.29   | 0.91   | 0.07   | ND      | ND      | 0.22    | 0.43    | 0.50    | ND   | ND   | 13.0  | 0.44               | 0.52             | 0.00                 | BC  | 0.5          | 0.22          | Monthly Sample | 13                     | 5                        |
| 8/5/08      | ND     | 0.07   | 8.2    | 0.30   | 0.24   | 0.90   | 0.00   | ND      | ND      | 0.22    | 0.32    | 0.46    | ND   | ND   | 1.5   | 0.43               | 0.50             | 0.00                 | BC  | 0.5          | 0.22          | Monthly Sample | 13                     | 5                        |
| 8/12/08     | 0.00   | 0.00   | 5.1    | 0.30   | 0.26   | 0.90   | 0.00   | 0.00    | 0.22    | 0.32    | 0.46    | 0.00    | 0.00 | 0.00 | 1.4   | 0.43               | 0.58             | 0.86                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 8/19/08     | 0.00   | 0.00   | 2.7    | 0.30   | 0.22   | 0.90   | 0.00   | 0.00    | 0.22    | 0.32    | 0.46    | 0.00    | 0.00 | 0.00 | 1.0   | 0.43               | 0.26             | 0.61                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 8/25/08     | 0.00   | 0.00   | 3.3    | 0.30   | 0.26   | 1.00   | 0.00   | 0.00    | 0.22    | 0.32    | 0.46    | 0.00    | 0.00 | 0.00 | 14.0  | 0.43               | ND               | 0.44                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/1/08      | 0.00   | 0.00   | 3.3    | 0.30   | 0.26   | 1.00   | 0.00   | 0.00    | 0.22    | 0.32    | 0.46    | 0.00    | 0.00 | 0.00 | 14.0  | 0.43               | ND               | 0.44                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 8/28/08     | 0.00   | 0.00   | 6.8    | 0.30   | 0.00   | 1.00   | 0.00   | 0.00    | 0.22    | 0.32    | 0.46    | 0.00    | 0.00 | 0.00 | 14.0  | 0.43               | 0.00             | 0.00                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/2/08      | ND     | 0.07   | 7.5    | ND     | 0.29   | 1.00   | ND     | ND      | 0.30    | 0.41    | 0.39    | ND      | ND   | ND   | 3.3   | 0.41               | ND               | 0.39                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/9/08      | 0.00   | 0.00   | 11.3   | 0.00   | 0.24   | 1.00   | 0.00   | 0.00    | 0.30    | 0.41    | 0.39    | 0.00    | 0.00 | 0.00 | 1.5   | 0.43               | ND               | 1.40                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/12/08     | 0.00   | 0.00   | 7.8    | 0.00   | 0.24   | 1.00   | 0.00   | 0.00    | 0.30    | 0.41    | 0.39    | 0.00    | 0.00 | 0.00 | 13.00 | 0.43               | 0.00             | 0.70                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/12/08     | 0.00   | 0.00   | 6.8    | 0.00   | 0.24   | 1.00   | 0.00   | 0.00    | 0.30    | 0.41    | 0.39    | 0.00    | 0.00 | 0.00 | 13.00 | 0.43               | 9.90             | 0.60                 | BC  | 0.5          | 0.10          | Weekly Sample  | 13                     | 5                        |
| 9/16/08     | 0.00   | 0.00   | 10.0   | 0.00   | 0.28   | 1.00   | 0.00   | 0.00    | 0.30    | 0.41    | 0.39    | 0.00    | 0.00 | 0.00 | 0.94  | 0.43               | ND               | 1.40                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/18/08     | 0.00   | 0.00   | 11.0   | 0.00   | 0.28   | 1.00   | 0.00   | 0.00    | 0.30    | 0.41    | 0.39    | 0.00    | 0.00 | 0.00 | 0.94  | 0.43               | ND               | 1.40                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 9/23/08     | 0.00   | 0.00   | 8.2    | 0.00   | 0.28   | 1.00   | 0.00   | 0.00    | 0.30    | 0.41    | 0.39    | 0.00    | 0.00 | 0.00 | 11.00 | 0.43               | ND               | 0.52                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 10/7/08     | 0.23   | 0.07   | 9.5    | 0.23   | ND     | 1.10   | ND     | ND      | ND      | 0.31    | 0.36    | ND      | ND   | ND   | 11.00 | 0.41               | ND               | 0.35                 | BC  | 0.5          | 0.22          | Monthly Sample | 13                     | 5                        |
| 10/14/08    | 0.23   | 0.00   | 8.6    | 0.23   | ND     | 1.10   | 0.00   | 0.00    | 0.00    | 0.31    | 0.36    | 0.00    | 0.00 | 0.00 | 0.64  | 0.41               | ND               | 0.24                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 10/21/08    | 0.23   | 0.00   | 13.0   | 0.23   | ND     | 1.10   | 0.00   | 0.00    | 0.00    | 0.31    | 0.36    | 0.00    | 0.00 | 0.00 | 2.60  | 0.41               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 10/28/08    | 0.23   | 0.00   | 17.0   | 0.23   | ND     | 1.10   | 0.00   | 0.00    | 0.00    | 0.31    | 0.36    | 0.00    | 0.00 | 0.00 | 0.59  | 0.41               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 11/4/08     | 0.00   | 0.07   | 20.0   | ND     | 0.23   | 0.94   | ND     | ND      | ND      | 0.23    | 0.31    | 0.29    | ND   | ND   | 1.10  | 0.44               | 0.23             | ND                   | BC  | 0.5          | 0.22          | Monthly Sample | 13                     | 5                        |
| 11/12/08    | 0.00   | 0.00   | 17.0   | 0.00   | ND     | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 1.10  | 0.44               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 11/18/08    | 0.00   | 0.00   | 23.0   | 0.00   | ND     | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 1.10  | 0.44               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 11/25/08    | 0.00   | 0.00   | 24.0   | 0.00   | ND     | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 1.10  | 0.44               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 12/2/08     | 0.00   | 0.00   | 24.0   | 0.00   | 0.22   | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 1.10  | 0.44               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 12/12/08    | 0.00   | 0.00   | 22.0   | 0.00   | 0.22   | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 1.10  | 0.44               | 0.00             | 0.00                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 12/17/08    | 0.00   | 0.00   | 31.0   | 0.00   | 0.23   | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 0.64  | 0.44               | ND               | 0.22                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 12/23/08    | 0.00   | 0.00   | 27.0   | 0.00   | ND     | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 0.49  | 0.44               | ND               | 0.26                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 12/30/08    | 0.00   | 0.00   | 33.0   | 0.00   | ND     | 0.94   | 0.00   | 0.00    | 0.23    | 0.31    | 0.29    | 0.00    | 0.00 | 0.00 | 0.33  | 0.44               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 1/6/09      | ND     | 0.07   | 29.0   | ND     | 0.22   | 0.78   | ND     | ND      | ND      | ND      | 0.26    | ND      | ND   | ND   | 0.44  | 0.41               | ND               | ND                   | BC  | 0.5          | 0.22          | Monthly Sample | 13                     | 5                        |
| 1/13/09     | 0.00   | 0.00   | 36.0   | 0.00   | ND     | 0.78   | 0.00   | 0.00    | 0.00    | 0.00    | 0.26    | 0.00    | 0.00 | 0.00 | 0.24  | 0.41               | ND               | 0.25                 | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 1/20/09     | 0.00   | 0.00   | 35.0   | 0.00   | ND     | 0.78   | 0.00   | 0.00    | 0.00    | 0.00    | 0.26    | 0.00    | 0.00 | 0.00 | 0.33  | 0.41               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |
| 1/27/09     | 0.00   | 0.00   | 40.0   | 0.00   | ND     | 0.78   | 0.00   | 0.00    | 0.00    | 0.00    | 0.26    | 0.00    | 0.00 | 0.00 | ND    | 0.41               | ND               | ND                   | BC  | 0.5          | 0.22          | Weekly Sample  | 13                     | 5                        |

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Revised Date: 2/2/2011



## CRESCENTA VALLEY WATER DISTRICT

## Summary of Methyl tert-Butyl Ether (MTBE) Results (ug/l) - 1997 through 2011

| Summary of monthly water quality results (ug/L) - 1997 through 2011 |        |        |        |        |        |        |        |         |         |         |         |         |      |      |      |                 |              |                 |     |           |               |                |
|---------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|------|------|------|-----------------|--------------|-----------------|-----|-----------|---------------|----------------|
| Sample Date                                                         | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | MW 1 | MW 2 | MW 4 | Cleaned Footing | MTBE Footing | Encl. Reservoir | Lab | DL (ug/L) | MDL (ug/l)    | Comments       |
| 2/3/09                                                              | ND     | Off    | 36.0   | 0.23   | ND     | 0.67   | ND     | ND      | ND      | ND      | ND      | ND      | ND   | ND   | 0.22 | 0.22            | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 2/10/09                                                             | 0.00   | 0.00   | 47.0   | 0.23   | ND     | 0.67   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.22            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 2/17/09                                                             | 0.00   | 0.00   | 27.0   | 0.23   | ND     | 0.67   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.24 | 0.22            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 2/21/09                                                             | 0.00   | 0.00   | 29.0   | 0.23   | ND     | 0.67   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.00 | 0.22            | 0.00         | 0.00            | BC  | 0.5       | 0.22          | Weekly Sample  |
| 2/24/09                                                             | 0.00   | 0.00   | 34.0   | 0.23   | ND     | 0.67   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.25 | 0.22            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 3/3/09                                                              | ND     | Off    | 18.0   | ND     | ND     | 0.67   | ND     | ND      | ND      | 0.22    | 0.23    | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 3/10/09                                                             | 0.00   | 0.00   | 27.0   | 0.00   | ND     | 0.67   | 0.00   | 0.00    | 0.23    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.22 | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 3/17/09                                                             | 0.00   | 0.00   | 22.0   | 0.00   | ND     | 0.67   | 0.00   | 0.00    | 0.25    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.31 | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 3/24/09                                                             | 0.00   | 0.00   | 30.0   | 0.00   | ND     | 0.67   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 3/31/09                                                             | 0.00   | 0.00   | 24.0   | 0.00   | ND     | 0.67   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.22 | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 4/7/09                                                              | ND     | Off    | 35.0   | ND     | ND     | 0.74   | ND     | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | 1.0          | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 4/14/09                                                             | 0.00   | 0.00   | 23.0   | 0.00   | ND     | 0.74   | 0.00   | 0.00    | 0.25    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.24 | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 4/21/09                                                             | 0.00   | 0.00   | 28.0   | 0.00   | ND     | 0.74   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 4/28/09                                                             | 0.00   | 0.00   | 26.0   | 0.00   | ND     | 0.74   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 5/5/09                                                              | ND     | Off    | 26.0   | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | 0.23            | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 5/12/09                                                             | 0.00   | 0.00   | 18.0   | 0.00   | ND     | 0.00   | 0.00   | 0.00    | 0.25    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.23            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 5/19/09                                                             | 0.00   | 0.00   | 24.0   | 0.00   | ND     | 0.00   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.23            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 5/26/09                                                             | 0.00   | 0.00   | 24.0   | 0.00   | ND     | 0.00   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.28            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 6/2/09                                                              | ND     | Off    | 23.0   | ND     | ND     | 0.59   | ND     | ND      | ND      | ND      | ND      | ND      | ND   | ND   | 0.00 | 0.28            | 1.6          | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 6/9/09                                                              | 0.00   | 0.00   | 24.0   | 0.00   | ND     | 0.59   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.28            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 6/16/09                                                             | 0.00   | 0.00   | 30.0   | 0.00   | ND     | 0.59   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.28            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 6/18/09                                                             | 0.00   | 0.00   | 24.0   | 0.00   | ND     | 0.59   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.28            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 6/23/09                                                             | 0.00   | 0.00   | 35.0   | 0.00   | ND     | 0.59   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.28            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 6/30/09                                                             | 0.00   | 0.00   | 30.0   | 0.00   | ND     | 0.59   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.28            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 7/7/09                                                              | ND     | Off    | 35.0   | ND     | ND     | 0.68   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 7/14/09                                                             | 0.00   | 0.00   | 37.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 7/21/09                                                             | 0.00   | 0.00   | 30.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.22    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 7/28/09                                                             | 0.00   | 0.00   | 43.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 8/4/09                                                              | ND     | Off    | 39.0   | ND     | ND     | 0.79   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 8/11/09                                                             | 0.00   | 0.00   | 41.0   | 0.00   | ND     | 0.79   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 8/18/09                                                             | 0.00   | 0.00   | 44.0   | 0.00   | ND     | 0.79   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 8/25/09                                                             | 0.00   | 0.00   | 45.0   | 0.00   | ND     | 0.79   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 9/3/09                                                              | ND     | Off    | 45.0   | ND     | ND     | 0.64   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 9/9/09                                                              | 0.00   | 0.00   | 40.0   | 0.00   | ND     | 0.64   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 9/16/09                                                             | 0.00   | 0.00   | 57.0   | 0.00   | ND     | 0.64   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 9/22/09                                                             | 0.00   | 0.00   | 50.0   | 0.00   | ND     | 0.64   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 9/29/09                                                             | 0.00   | 0.00   | 32.0   | 0.00   | ND     | 0.64   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 10/6/09                                                             | ND     | Off    | 46.0   | ND     | ND     | 0.68   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.22          | Monthly Sample |
| 10/13/09                                                            | 0.00   | 0.00   | 35.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 10/21/09                                                            | 0.00   | 0.00   | 67.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 10/26/09                                                            | 0.00   | 0.00   | 57.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 10/27/09                                                            | 0.00   | 0.00   | 56.0   | 0.00   | ND     | 0.68   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.22          | Weekly Sample  |
| 11/3/09                                                             | ND     | Off    | 50.0   | ND     | ND     | 0.57   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.11          | Monthly Sample |
| 11/10/09                                                            | 0.00   | 0.00   | 52.0   | 0.00   | ND     | 0.57   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.11          | Weekly Sample  |
| 11/17/09                                                            | 0.00   | 0.00   | 47.0   | 0.00   | ND     | 0.57   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.11          | Weekly Sample  |
| 11/24/09                                                            | 0.00   | 0.00   | 36.0   | 0.00   | ND     | 0.57   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | ND              | BC  | 0.5       | 0.11          | Weekly Sample  |
| 12/2/09                                                             | 0.18   | Off    | 61.0   | 0.19   | ND     | 1.00   | Off    | 0.15    | 0.29    | 0.23    | 0.23    | 0.23    | ND   | ND   | ND   | 0.39            | 0.17         | 0.17            | BC  | 0.5       | 0.11          | Monthly Sample |
| 12/8/09                                                             | ND     | Off    | 49.0   | ND     | ND     | 0.75   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND           | ND              | BC  | 0.5       | 0.11          | Weekly Sample  |
| 12/17/09                                                            | 0.00   | 0.00   | 50.0   | 0.00   | ND     | 0.75   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND           | BC              | 0.5 | 0.11      | Weekly Sample |                |

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Revised Date: 2/3/2011

## CRESCENTA VALLEY WATER DISTRICT

## Summary of Methyl tert-Butyl Ether (MTBE) Results (ug/l) - 1997 through 2011

| Sample Date | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | MW 1 | MW 2 | MW 4 | Cleaved Forebay | Hills Forebay | Exial Reservoir | Lab | DL (ug/l) | MDL (ug/l) | Comments          | MTBE Primary MCL | MTBE Secondary MCL |
|-------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|------|------|------|-----------------|---------------|-----------------|-----|-----------|------------|-------------------|------------------|--------------------|
| 12/22/09    | 0.00   | 0.00   | 41.0   | 0.00   | 0.13   | 0.75   | 0.00   | 0.00    | 0.21    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.12 | 0.00            | 0.13          | 0.17            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 12/29/09    | 0.00   | 0.00   | 50.0   | 0.00   | 0.15   | 0.75   | 0.00   | 0.00    | 0.24    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.11 | 0.00            | 0.11          | 0.18            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 1/5/10      | ND     | Off    | 48.0   | ND     | ND     | 0.93   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND   | ND              | ND            | 0.18            | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 1/12/10     | 0.00   | 0.00   | 39.0   | 0.00   | 0.13   | 0.93   | 0.00   | 0.00    | 0.30    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.15 | 0.00            | 0.13          | 0.26            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 1/19/10     | 0.00   | 0.00   | 37.0   | 0.00   | 0.17   | 0.93   | 0.00   | 0.00    | 0.28    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.16 | 0.00            | ND            | 0.26            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 1/26/10     | 0.00   | 0.00   | 58.0   | 0.00   | ND     | 0.93   | 0.00   | 0.00    | ND      | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | ND   | 0.00            | ND            | ND              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 2/2/10      | ND     | Off    | 58.0   | ND     | ND     | 0.96   | Off    | ND      | ND      | ND      | ND      | ND      | ND   | ND   | 0.14 | 0.29            | ND            | 0.20            | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 2/9/10      | 0.00   | 0.00   | 39.0   | 0.00   | ND     | 0.96   | 0.00   | 0.00    | 0.25    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | Off  | 0.29            | ND            | 0.25            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 2/16/10     | 0.00   | 0.00   | 24.0   | 0.00   | Off    | 0.96   | 0.00   | 0.00    | 0.22    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.11 | 0.29            | 0.24          | 0.12            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 2/23/10     | 0.00   | 0.00   | 23.0   | 0.00   | ND     | 0.96   | 0.00   | 0.00    | 0.27    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.17 | 0.29            | ND            | 0.22            | BC  | 0.5       | 0.11       | Well 5 Initial    | 13               | 5                  |
| 2/23/10     | 0.00   | 0.00   | 20.0   | 0.00   | 0.00   | 0.96   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.17 | 0.29            | 0.00          | 0.22            | BC  | 0.5       | 0.11       | Well 5 30 minutes | 13               | 5                  |
| 2/23/10     | 0.00   | 0.00   | 22.0   | 0.00   | 0.00   | 0.96   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.17 | 0.29            | 0.00          | 0.22            | BC  | 0.5       | 0.11       | Well 5 60 minutes | 13               | 5                  |
| 3/2/10      | 0.11   | Off    | 18.0   | ND     | 0.16   | 0.76   | 0.00   | 0.14    | 0.24    | 0.19    | 0.27    | ND      | ND   | ND   | 0.16 | 0.35            | 0.11          | 0.27            | BC  | 0.5       | 0.11       | Well 5 Initial    | 13               | 5                  |
| 3/2/10      | 0.11   | 0.00   | 14.0   | 0.00   | 0.16   | 0.76   | 0.00   | 0.14    | 0.24    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.16 | 0.35            | 0.11          | 0.27            | BC  | 0.5       | 0.11       | Well 5 30 minutes | 13               | 5                  |
| 3/2/10      | 0.11   | 0.00   | 14.0   | 0.00   | 0.16   | 0.76   | 0.00   | 0.14    | 0.24    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.16 | 0.35            | 0.11          | 0.27            | BC  | 0.5       | 0.11       | Well 5 60 minutes | 13               | 5                  |
| 3/9/10      | 0.11   | 0.00   | 12.0   | 0.00   | ND     | 0.76   | 0.00   | 0.14    | ND      | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | ND              | BC  | 0.5       | 0.11       | Well 5 Initial    | 13               | 5                  |
| 3/9/10      | 0.11   | 0.00   | 12.0   | 0.00   | 0.00   | 0.76   | 0.00   | 0.14    | 0.00    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.00 | 0.35            | 0.00          | 0.00            | BC  | 0.5       | 0.11       | Well 5 30 minutes | 13               | 5                  |
| 3/9/10      | 0.11   | 0.00   | 12.0   | 0.00   | 0.00   | 0.76   | 0.00   | 0.14    | 0.00    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.00 | 0.35            | 0.00          | 0.00            | BC  | 0.5       | 0.11       | Well 5 60 minutes | 13               | 5                  |
| 3/16/10     | 0.11   | 0.00   | 9.6    | 0.00   | ND     | 0.76   | 0.00   | 0.14    | 0.21    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.19            | BC  | 0.5       | 0.11       | Well 5 Initial    | 13               | 5                  |
| 3/16/10     | 0.11   | 0.00   | 7.2    | 0.00   | 0.00   | 0.76   | 0.00   | 0.14    | 0.21    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.00 | 0.35            | 0.00          | 0.19            | BC  | 0.5       | 0.11       | Well 5 30 minutes | 13               | 5                  |
| 3/16/10     | 0.11   | 0.00   | 7.4    | 0.00   | 0.00   | 0.76   | 0.00   | 0.14    | 0.21    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.00 | 0.35            | 0.00          | 0.19            | BC  | 0.5       | 0.11       | Well 5 60 minutes | 13               | 5                  |
| 3/23/10     | 0.11   | 0.00   | 7.1    | 0.00   | ND     | 0.76   | 0.00   | 0.14    | 0.24    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | 0.15 | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Well 5 Initial    | 13               | 5                  |
| 3/30/10     | 0.11   | 0.00   | 7.3    | 0.00   | ND     | 0.76   | 0.00   | 0.14    | 0.22    | 0.19    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Well 5 30 minutes | 13               | 5                  |
| 4/6/10      | ND     | Off    | 2.0    | ND     | ND     | 1.1    | ND     | ND      | 0.29    | 0.19    | 0.31    | ND      | ND   | ND   | 0.19 | 0.53            | ND            | ND              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 13.0   | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | ND   | 0.53            | ND            | 0.21            | BC  | 0.5       | 0.11       | Well 5 Initial    | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 7.6    | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.00 | 0.53            | 0.00          | 0.21            | BC  | 0.5       | 0.11       | Well 5 1-hour     | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 7.8    | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.00 | 0.53            | 0.00          | 0.21            | BC  | 0.5       | 0.11       | Well 5 2-hour     | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 7.6    | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.00 | 0.53            | 0.00          | 0.21            | BC  | 0.5       | 0.11       | Well 5 3-hour     | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 7.9    | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.00 | 0.53            | 0.00          | 0.21            | BC  | 0.5       | 0.11       | Well 5 4-hour     | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 8.1    | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.00 | 0.53            | 0.00          | 0.21            | BC  | 0.5       | 0.11       | Well 5 5-hour     | 13               | 5                  |
| 4/13/10     | 0.00   | 0.00   | 8.2    | 0.00   | 0.00   | 1.10   | 0.00   | 0.00    | 0.24    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.00 | 0.53            | 0.00          | 0.21            | BC  | 0.5       | 0.11       | Well 5 6-hour     | 13               | 5                  |
| 4/20/10     | 0.00   | 0.00   | 3.6    | 0.00   | ND     | 1.10   | 0.00   | 0.00    | 0.25    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.21 | 0.53            | ND            | 0.22            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 4/27/10     | 0.00   | 0.00   | 9.2    | 0.00   | 0.14   | 1.10   | 0.00   | 0.00    | 0.25    | 0.19    | 0.31    | 0.00    | 0.00 | 0.00 | 0.13 | 0.53            | ND            | 0.24            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 5/3/10      | ND     | Off    | 7.9    | ND     | ND     | 0.85   | ND     | ND      | 0.23    | ND      | 0.26    | ND      | ND   | ND   | 0.00 | 0.30            | ND            | 0.25            | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 5/11/10     | 0.00   | 0.00   | 8.6    | 0.00   | ND     | 0.85   | 0.00   | 0.00    | 0.24    | 0.00    | 0.26    | 0.00    | 0.00 | 0.00 | ND   | 0.30            | ND            | 0.21            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 5/19/10     | 0.00   | 0.00   | 2.8    | 0.00   | ND     | 0.85   | 0.00   | 0.00    | 0.00    | 0.00    | 0.26    | 0.00    | 0.00 | 0.00 | ND   | 0.30            | ND            | 0.18            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 5/25/10     | 0.00   | 0.00   | 1.10   | 0.00   | ND     | 0.85   | 0.00   | 0.00    | ND      | 0.00    | 0.26    | 0.00    | 0.00 | 0.00 | ND   | 0.30            | ND            | 0.16            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 6/1/10      | ND     | Off    | 2.4    | ND     | ND     | 0.93   | ND     | ND      | 0.00    | 0.00    | 0.27    | ND      | ND   | ND   | 0.00 | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 6/8/10      | 0.00   | 0.00   | 2.0    | 0.00   | ND     | 0.93   | 0.00   | 0.00    | 0.20    | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 6/15/10     | 0.00   | 0.00   | ND     | 0.00   | ND     | 0.93   | 0.00   | 0.00    | 0.00    | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 6/22/10     | 0.00   | 0.00   | 0.19   | 0.00   | ND     | 0.93   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 6/29/10     | 0.00   | 0.00   | 0.21   | 0.00   | ND     | 0.93   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 7/6/10      | ND     | Off    | ND     | ND     | ND     | 0.78   | ND     | ND      | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.35            | ND            | 0.20            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 7/13/10     | 0.00   | 0.00   | 0.19   | 0.00   | ND     | 0.78   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | ND   | 0.34            | ND            | 0.20            | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 7/20/10     | 0.00   | 0.00   | 0.25   | 0.00   | 0.12   | 0.78   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | 0.11 | 0.34            | ND            | 0.13            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 7/27/10     | 0.00   | 0.00   | 0.24   | 0.00   | 0.14   | 0.78   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | 0.15 | 0.34            | ND            | 0.13            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 8/3/10      | ND     | Off    | 0.22   | ND     | ND     | 0.65   | ND     | ND      | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | 0.15 | 0.34            | ND            | 0.20            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 8/10/10     | 0.00   | 0.00   | 0.25   | 0.00   | ND     | 0.65   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | 0.11 | 0.27            | ND            | 0.20            | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 8/17/10     | 0.00   | 0.00   | 0.24   | 0.00   | 0.14   | 0.65   | 0.00   | 0.00    | Off     | 0.00    | 0.27    | 0.00    | 0.00 | 0.00 | 0.18 | 0.27            | 0.11          | 0.14            | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |

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Revised Date: 2/3/2011

## CRESCENTA VALLEY WATER DISTRICT

## Summary of Methyl tert-Butyl Ether (MTBE) Results (ug/l) - 1997 through 2011

| Summary of monthly tert-butyl Ethene (MTBE) Results (ug/l) - 1997 through 2011 |        |        |        |        |        |        |        |         |         |         |         |         |      |      |       |                   |               |                   |     |           |            |                   |                  |                    |
|--------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|------|------|-------|-------------------|---------------|-------------------|-----|-----------|------------|-------------------|------------------|--------------------|
| Sample Date                                                                    | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | MW 1 | MW 2 | MW 4  | Glasswood Forebay | Mills Pinchay | Revised Reservoir | Lab | DL (ug/L) | MDL (ug/l) | Comments          | MTBE Primary MCL | MTBE Secondary MCL |
| 8/24/10                                                                        | 0.00   | 0.00   | 0.23   | 0.00   | 0.15   | 0.65   | 0.00   | 0.00    | Off     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.18  | 0.27              | ND            | 0.13              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 8/31/10                                                                        | 0.00   | 0.00   | 0.22   | 0.00   | 0.14   | 0.65   | 0.00   | 0.00    | Off     | 0.00    | 0.00    | 0.00    | 0.00 | 0.00 | 0.11  | 0.27              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 9/7/10                                                                         | ND     | Off    | 0.20   | ND     | 0.14   | 0.65   | ND     | ND      | Off     | 0.15    | 0.20    | ND      | ND   | ND   | 0.13  | 0.16              | ND            | ND                | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 9/14/10                                                                        | 0.00   | 0.00   | 0.22   | 0.00   | ND     | 0.65   | 0.00   | 0.00    | Off     | 0.15    | 0.20    | 0.00    | 0.00 | 0.00 | ND    | 0.16              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 9/21/10                                                                        | 0.00   | 0.00   | 0.25   | 0.00   | ND     | 0.65   | 0.00   | 0.00    | Off     | 0.15    | 0.20    | 0.00    | 0.00 | 0.00 | ND    | 0.16              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 9/28/10                                                                        | 0.00   | 0.00   | 0.26   | 0.00   | ND     | 0.65   | 0.00   | 0.00    | Off     | 0.15    | 0.20    | 0.00    | 0.00 | 0.00 | ND    | 0.16              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 10/5/10                                                                        | ND     | Off    | 0.22   | ND     | ND     | 0.85   | ND     | ND      | Off     | 0.15    | 0.20    | 0.00    | 0.00 | 0.00 | 0.19  | 0.16              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 10/12/10                                                                       | 0.00   | 0.00   | 0.26   | 0.00   | 0.17   | 0.85   | 0.00   | 0.00    | Off     | 0.00    | 0.22    | 0.00    | 0.00 | 0.00 | 0.18  | 0.28              | ND            | ND                | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 10/19/10                                                                       | 0.00   | 0.00   | 3.2    | 0.00   | 0.16   | 0.85   | 0.00   | 0.00    | 0.26    | 0.00    | 0.22    | 0.00    | 0.00 | 0.00 | 0.18  | 0.28              | 0.16          | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 10/26/10                                                                       | 0.00   | 0.00   | 0.42   | 0.00   | 0.13   | 0.85   | 0.00   | 0.00    | 0.26    | 0.00    | 0.22    | 0.00    | 0.00 | 0.00 | 0.13  | 0.28              | ND            | 0.18              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 11/2/10                                                                        | ND     | Off    | 0.27   | ND     | ND     | 0.88   | ND     | ND      | 0.26    | 0.17    | 0.26    | ND      | ND   | ND   | 0.14  | 0.31              | ND            | 0.23              | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 9/14/10                                                                        | 0.00   | 0.00   | 0.23   | 0.00   | 0.15   | 0.88   | 0.00   | 0.00    | 0.20    | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | 0.12  | 0.31              | ND            | 0.13              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 11/16/10                                                                       | 0.00   | 0.00   | 0.26   | 0.00   | ND     | 0.88   | 0.00   | 0.00    | 0.20    | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | 0.14  | 0.31              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 11/16/10                                                                       | 0.00   | 0.17   | 0.26   | 0.00   | 0.00   | 0.88   | 0.00   | 0.00    | 0.20    | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | 0.14  | 0.31              | 0.00          | 0.00              | BC  | 0.5       | 0.11       | Well 2 5-minutes  | 13               | 5                  |
| 11/16/10                                                                       | 0.00   | 0.26   | 0.26   | 0.00   | 0.00   | 0.88   | 0.00   | 0.00    | 0.20    | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | 0.14  | 0.31              | 0.00          | 0.00              | BC  | 0.5       | 0.11       | Well 2 15-minutes | 13               | 5                  |
| 11/16/10                                                                       | 0.00   | 0.19   | 0.26   | 0.00   | 0.00   | 0.88   | 0.00   | 0.00    | 0.20    | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | 0.14  | 0.31              | 0.00          | 0.00              | BC  | 0.5       | 0.11       | Well 2 30-minutes | 13               | 5                  |
| 11/23/10                                                                       | 0.00   | 0.19   | 0.20   | 0.00   | 0.15   | 0.88   | 0.00   | 0.00    | 0.20    | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | 0.14  | 0.31              | 0.00          | 0.00              | BC  | 0.5       | 0.11       | Well 2 1-hour     | 13               | 5                  |
| 11/30/10                                                                       | 0.00   | 0.19   | 0.17   | 0.00   | ND     | 0.88   | 0.00   | 0.00    | ND      | 0.17    | 0.26    | 0.00    | 0.00 | 0.00 | ND    | 0.31              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 12/7/10                                                                        | ND     | 0.19   | 0.26   | ND     | 0.14   | 0.63   | ND     | ND      | 0.24    | 0.13    | 0.19    | ND      | ND   | ND   | ND    | 0.37              | ND            | 0.20              | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 12/15/10                                                                       | 0.00   | 0.19   | 0.23   | 0.00   | 0.14   | 0.63   | 0.00   | 0.00    | 0.28    | 0.13    | 0.19    | 0.00    | 0.00 | 0.00 | ND    | 0.37              | 0.11          | 0.26              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 12/21/10                                                                       | 0.00   | 0.19   | 0.30   | 0.00   | 0.17   | 0.63   | 0.00   | 0.00    | 0.20    | 0.13    | 0.19    | 0.00    | 0.00 | 0.00 | 0.14  | 0.37              | ND            | 0.23              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 12/28/10                                                                       | 0.00   | 0.19   | 0.19   | 0.00   | 0.17   | 0.63   | 0.00   | 0.00    | 0.24    | 0.13    | 0.19    | 0.00    | 0.00 | 0.00 | ND    | 0.37              | ND            | 0.21              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 1/4/11                                                                         | ND     | Off    | 0.20   | ND     | 0.13   | 0.80   | ND     | ND      | 0.14    | 0.15    | 0.24    | ND      | ND   | ND   | 0.13  | 0.31              | ND            | 0.15              | BC  | 0.5       | 0.11       | Monthly Sample    | 13               | 5                  |
| 1/11/11                                                                        | 0.00   | 0.00   | ND     | 0.00   | ND     | 0.80   | 0.00   | 0.00    | ND      | 0.15    | 0.24    | 0.00    | 0.00 | 0.00 | ND    | 0.31              | ND            | 0.19              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 1/18/11                                                                        | 0.00   | 0.00   | 0.19   | 0.00   | ND     | 0.80   | 0.00   | 0.00    | 0.17    | 0.15    | 0.24    | 0.00    | 0.00 | 0.00 | 0.14  | 0.31              | ND            | 0.17              | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 1/25/11                                                                        | 0.00   | ND     | 0.16   | 0.00   | ND     | 0.80   | 0.00   | 0.00    | 0.16    | 0.15    | 0.24    | 0.00    | 0.00 | 0.00 | 0.11  | 0.31              | ND            | ND                | BC  | 0.5       | 0.11       | Weekly Sample     | 13               | 5                  |
| 2/1/11                                                                         |        |        |        |        |        |        |        |         |         |         |         |         |      |      |       |                   |               |                   |     |           |            |                   | 13               | 5                  |
| 2/8/11                                                                         |        |        |        |        |        |        |        |         |         |         |         |         |      |      |       |                   |               |                   |     |           |            |                   | 13               | 5                  |
| 2/15/11                                                                        |        |        |        |        |        |        |        |         |         |         |         |         |      |      |       |                   |               |                   |     |           |            |                   | 13               | 5                  |
| 2/22/11                                                                        |        |        |        |        |        |        |        |         |         |         |         |         |      |      |       |                   |               |                   |     |           |            |                   | 13               | 5                  |
| 3/1/11                                                                         |        |        |        |        |        |        |        |         |         |         |         |         |      |      |       |                   |               |                   |     |           |            |                   | 13               | 5                  |
| Average                                                                        | 0.32   | 0.10   | 14.17  | 0.07   | 6.74   | 0.73   | 0.07   | 0.04    | 0.24    | 0.22    | 0.39    | 0.03    | 0.01 | 0.11 | 1.35  | 0.33              | 0.44          | 0.14              |     |           |            |                   |                  |                    |
| # of Samples                                                                   | 235    | 233    | 250    | 238    | 236    | 236    | 235    | 237     | 236     | 234     | 228     | 221     | 222  | 223  | 218   | 218               | 218           | 218               |     |           |            |                   |                  |                    |
| max                                                                            | 7.40   | 0.71   | 67.00  | 0.58   | 50.00  | 1.10   | 0.56   | 0.58    | 0.70    | 1.50    | 1.70    | 0.42    | 0.63 | 2.90 | 14.00 | 0.80              | 9.90          | 1.40              |     |           |            |                   |                  |                    |
| min                                                                            | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND      | ND      | ND      | ND      | ND      | ND   | ND   | ND    | ND                | ND            | ND                |     |           |            |                   |                  |                    |

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Revised Date: 2/9/2011

# **EXHIBIT 3**





Howard Backer, MD, MPH  
Interim Director

State of California—Health and Human Services Agency  
California Department of Public Health



EDMUND G. BROWN JR.  
Governor

RECEIVED

MAR 08 2011

CRESCENTA VALLEY  
WATER DISTRICT

March 2, 2011

Mr. David S. Gould, P.E.  
District Engineer  
Crescenta Valley Water District  
2700 Foothill Boulevard  
La Crescenta, CA 91214

Dear Mr. Gould:

**WATER SYSTEM 1910028 – APPROVAL FOR RETURNING WELL 5 TO SERVICE**

We received a letter dated February 23, 2011 from your office (District) via email requesting that Well 5 be placed back into service. Well 5 has been offline since September 2008 due to MTBE secondary MCL exceedance. Prior to initiating this request, the District performed a 5-day pump test for Well 5 from February 9 to February 14, 2011, to determine the current level of MTBE in the well water. The test report dated February 15, 2011 shows that the MTBE levels at Well 5 have remained very low, ranging from non-detect to 0.28 ug/L, which is well below the primary and secondary MCLs of 13 ug/L and 5 ug/L for MTBE.

The Department hereby approves your request to return Well 5 to service immediately with the condition that the District will continue to perform weekly MTBE monitoring at Well 5. Since Well 5 may flow to either the Mills Plant or Encinal Reservoir, the District will also continue to perform weekly MTBE monitoring at the Mills Plant Forebay and Encinal Reservoir, as well as at a new sampling location, which is the Paschall Blending Station, where imported MWD water is added to blend with the District's groundwater before the water enters the Oak Creek Reservoir. This new sampling location is situated between the Mills Forebay and the Oak Creek Reservoir.

Well 5 will be tested monthly for bacteriological testing. The recent bacteriological sample collected on February 22, 2011 indicates that the well is absent for total coliform. However, our water quality database shows that Well 5 is currently delinquent in monitoring for perchlorate and VOCs, both of which were due February 2010. The District shall collect these delinquent samples immediately after the well start-up to stay in compliance with Title 22 monitoring requirements.

Although the main objective of the 5-day pump test was to determine the current MTBE level at Well 5, the District also collected daily MTBE samples at all of the district's

Mr. David S. Gould, P.E.

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wells. The test results indicate that Well 8 was unexpectedly detected with low levels of MTBE, ranging from 0.59 ug/L to 0.66 ug/L, in each of the daily samples. Therefore, as a precautionary measure, the District will begin monitoring Well 8 for MTBE on a monthly basis. The MTBE data will be submitted to the Department in the monthly MTBE report and by electronic data transfer (EDT). Further actions including more frequent monitoring may be required by the District should the MTBE level of Well 8 continue to rise.

If you have any questions, please call Karen Wong at (818) 551-2037.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff O'Keefe", is written over a horizontal line.

Jeff O'Keefe, P.E.  
District Engineer  
Metropolitan District



CRESCENTA VALLEY WATER DISTRICT

| Summary of Monthly Test-Data Entry (MLBE) Results (ug/l) - /06/10 through 3/01/11 |        |        |        |        |        |        |        |         |         |         |         |         |         |       |       |                  |               |                  |     |           |            |                               |
|-----------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|-------|-------|------------------|---------------|------------------|-----|-----------|------------|-------------------------------|
| Sample Date                                                                       | Well 1 | Well 2 | Well 5 | Well 6 | Well 7 | Well 8 | Well 9 | Well 10 | Well 11 | Well 12 | Well 14 | Well 15 | Well 17 | MTW 2 | MTW 4 | Glenwood Forebay | Mills Forebay | Etchinal Reserve | Lah | DL (ug/L) | MDL (ug/l) | Comments                      |
| 7/6/10                                                                            | ND     | Off    | ND     | ND     | ND     | 0.78   | ND     | ND      | Off     | ND      | ND      | ND      | ND      | ND    | ND    | 0.34             | ND            | ND               | BC  | 0.5       | 0.11       | Monthly Sample                |
| 7/13/10                                                                           | 0.00   |        | 0.19   | 0.00   | ND     | 0.78   |        |         | Off     |         |         |         |         |       | 0.11  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 7/20/10                                                                           | 0.00   |        | 0.25   | 0.00   | 0.12   | 0.78   |        |         | Off     |         |         |         |         |       | 0.15  |                  | ND            | 0.13             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 7/27/10                                                                           | 0.00   |        | 0.24   | 0.00   | 0.14   | 0.78   |        |         | Off     |         |         |         |         |       | 0.15  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 8/3/10                                                                            | ND     | Off    | 0.22   | ND     | ND     | 0.65   | ND     | ND      | Off     | ND      | ND      | ND      | ND      | ND    | ND    | 0.27             | ND            | ND               | BC  | 0.5       | 0.11       | Monthly Sample                |
| 8/10/10                                                                           | 0.00   |        | 0.25   | 0.00   | ND     | 0.65   |        |         | Off     |         |         |         |         |       | 0.11  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 8/17/10                                                                           | 0.00   |        | 0.24   | 0.00   | 0.14   | 0.65   |        |         | Off     |         |         |         |         |       | 0.18  |                  | 0.11          | 0.14             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 8/24/10                                                                           | 0.00   |        | 0.23   | 0.00   | 0.15   | 0.65   |        |         | Off     |         |         |         |         |       | 0.18  |                  | ND            | 0.13             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 8/31/10                                                                           | 0.00   |        | 0.22   | 0.00   | 0.14   | 0.65   |        |         | Off     |         |         |         |         |       | 0.11  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 9/7/10                                                                            | ND     | Off    | 0.20   | ND     | ND     | 0.65   | ND     | ND      | Off     | 0.15    | 0.20    | ND      | ND      | ND    | 0.13  | 0.16             | ND            | ND               | BC  | 0.5       | 0.11       | Monthly Sample                |
| 9/14/10                                                                           | 0.00   |        | 0.22   | 0.00   | ND     | 0.65   |        |         | Off     |         |         |         |         |       | ND    |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 9/21/10                                                                           | 0.00   |        | 0.25   | 0.00   | ND     | 0.65   |        |         | Off     |         |         |         |         |       | ND    |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 9/28/10                                                                           | 0.00   |        | 0.26   | 0.00   | ND     | 0.65   |        |         | Off     |         |         |         |         |       | 0.19  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 10/5/10                                                                           | ND     | Off    | 0.22   | ND     | ND     | 0.85   | ND     | ND      | Off     | ND      | 0.22    | ND      | ND      | ND    | 0.16  | 0.28             | ND            | ND               | BC  | 0.5       | 0.11       | Monthly Sample                |
| 10/12/10                                                                          | 0.00   |        | 0.26   | 0.00   | 0.17   | 0.85   |        |         | Off     |         |         |         |         |       | 0.18  |                  | 0.16          | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 10/19/10                                                                          | 0.00   |        | 3.2    | 0.00   | 0.16   | 0.85   |        |         | 0.26    |         |         |         |         |       | 0.18  |                  | ND            | 0.18             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 10/26/10                                                                          | 0.00   |        | 0.42   | 0.00   | 0.13   | 0.85   |        |         | Off     |         |         |         |         |       | 0.13  |                  | ND            | 0.18             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 11/2/10                                                                           | ND     | Off    | 0.27   | ND     | ND     | 0.88   | ND     | ND      | Off     | 0.17    | 0.26    | ND      | ND      | ND    | 0.14  | 0.31             | ND            | 0.23             | BC  | 0.5       | 0.11       | Monthly Sample                |
| 11/9/10                                                                           | 0.00   |        | 0.23   | 0.00   | 0.15   | 0.88   |        |         | 0.20    |         |         |         |         |       | 0.12  |                  | ND            | 0.13             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 11/16/10                                                                          |        |        | 0.26   |        | ND     |        |        |         | Off     |         |         |         |         |       | 0.14  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 11/16/10                                                                          |        | 0.17   |        |        |        |        |        |         |         |         |         |         |         |       |       |                  |               |                  |     |           |            | Well #2 @ 5 Min               |
| 11/16/10                                                                          |        | 0.26   |        |        |        |        |        |         |         |         |         |         |         |       |       |                  |               |                  |     |           |            | Well #2 @ 15 Min              |
| 11/16/10                                                                          |        | 0.25   |        |        |        |        |        |         |         |         |         |         |         |       |       |                  |               |                  |     |           |            | Well #2 @ 30 Min              |
| 11/16/10                                                                          |        | 0.19   |        |        |        |        |        |         |         |         |         |         |         |       |       |                  |               |                  |     |           |            | Well #2 @ 1 Hour              |
| 11/23/10                                                                          |        |        | 0.20   |        | 0.14   |        |        |         | 0.20    |         |         |         |         |       | ND    |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 11/30/10                                                                          |        |        | 0.17   |        | ND     |        |        |         | ND      |         |         |         |         |       | ND    |                  | ND            | 0.16             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 12/7/10                                                                           | ND     | 0.19   | 0.26   | ND     | 0.14   | 0.63   | ND     | ND      | 0.24    | 0.13    | 0.19    | ND      | ND      | ND    | ND    | 0.37             | ND            | 0.20             | BC  | 0.5       | 0.11       | Monthly Sample                |
| 12/14/10                                                                          |        |        | 0.23   |        | 0.14   |        |        |         | 0.28    |         |         |         |         |       | ND    |                  | 0.11          | 0.26             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 12/21/10                                                                          |        |        | 0.30   |        | 0.17   |        |        |         | 0.20    |         |         |         |         |       | 0.14  |                  | ND            | 0.23             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 12/28/10                                                                          |        |        | 0.19   |        | 0.17   |        |        |         | 0.24    |         |         |         |         |       | ND    |                  | ND            | 0.21             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 1/4/11                                                                            | ND     | Off    | 0.20   | ND     | 0.13   | 0.80   | ND     | ND      | 0.14    | 0.15    | 0.24    | ND      | ND      | ND    | 0.13  | 0.31             | ND            | 0.15             | BC  | 0.5       | 0.11       | Monthly Sample                |
| 1/11/11                                                                           |        |        | ND     |        | ND     |        |        |         | ND      |         |         |         |         |       | ND    |                  | ND            | 0.19             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 1/18/11                                                                           |        |        | 0.19   |        | ND     |        |        |         | 0.17    |         |         |         |         |       | 0.14  |                  | ND            | 0.17             | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 1/25/11                                                                           | ND     | 0.16   |        |        | ND     |        |        |         | 0.16    |         |         |         |         |       | 0.11  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 2/1/11                                                                            |        |        |        |        |        |        |        |         |         |         |         |         | ND      | ND    | 0.17  |                  |               |                  | BC  | 0.5       | 0.11       | Monthly Sample                |
| 2/8/11                                                                            |        |        | NS     |        | ND     |        |        |         | ND      |         |         |         |         |       | ND    |                  | ND            |                  | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 2/9/11                                                                            | ND     | Off    | 0.28   | ND     | ND     | 0.71   | ND     | ND      | 0.21    | ND      | 0.19    | ND      |         |       | ND    |                  | ND            | 0.18             | BC  | 0.5       | 0.11       | Well 5 - Pump Test            |
| 2/10/11                                                                           | ND     | Off    | 0.22   | ND     | ND     | 0.70   | ND     | ND      | 0.18    | ND      | 0.22    | ND      |         |       | 0.15  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Well 5 - Pump Test            |
| 2/11/11                                                                           | ND     | Off    | 0.20   | ND     | ND     | 0.67   | ND     | ND      | 0.22    | ND      | 0.20    | ND      |         |       | ND    |                  | ND            | ND               | BC  | 0.5       | 0.11       | Well 5 - Pump Test            |
| 2/12/11                                                                           | ND     | Off    | 0.20   | ND     | ND     | 0.59   | ND     | ND      | 0.16    | 0.13    | 0.18    | ND      |         |       | ND    |                  | ND            | ND               | BC  | 0.5       | 0.11       | Well 5 - Pump Test            |
| 2/13/11                                                                           | ND     | Off    | 0.20   | 0.11   | 0.12   | 0.66   | ND     | ND      | 0.17    | 0.14    | 0.18    | ND      |         |       | 0.15  |                  | 0.19          | ND               | BC  | 0.5       | 0.11       | Well 5 - Pump Test            |
| 2/14/11                                                                           | ND     | Off    | 0.22   | 0.11   | 0.11   | 0.66   | ND     | ND      | 0.17    | ND      | 0.19    | ND      |         |       | ND    |                  | 0.19          | ND               | BC  | 0.5       | 0.11       | Well 5 - Pump Test            |
| 2/15/11                                                                           |        |        | 0.28   |        | ND     |        |        |         | ND      |         |         |         |         |       | ND    |                  | ND            | ND               | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 2/22/11                                                                           |        |        | 0.22   |        | ND     |        |        |         | ND      |         |         |         |         |       | ND    |                  | ND            |                  | BC  | 0.5       | 0.11       | Weekly Sample                 |
| 3/1/11                                                                            | ND     | Off    | 0.23   | ND     | 0.15   | 0.67   | ND     | ND      | ND      | ND      | ND      | ND      | ND      | ND    | 0.16  |                  | ND            | ND               | BC  | 0.5       | 0.11       | Monthly Sample Added Passcell |

# **EXHIBIT 4**



Jul 2 2010 3:52PM

UNITED STATES DISTRICT COURT  
SOUTHERN DISTRICT OF NEW YORK

IN RE: METHYL TERTIARY BUTYL  
ETHER ("MTBE") PRODUCTS  
LIABILITY LITIGATION

Master File No. 1:00-1898  
MDL 1358 (SAS)  
M21-88

This document relates to:

*Crescenta Valley Water District v. Mobil  
Corporation, et al., 07 Civ. 9453 (SAS)*

EXPERT REPORT OF STEPHEN W. WHEATCRAFT, Ph.D.

Stephen W. Wheatcraft  
Wheatcraft & Associates, Ltd.  
July 2, 2010

EXHIBIT 4

Attachment 29. Model Output Simulation Data - Only Former Arco, 6454 Foothill Blvd

| Time     | Time<br>(years) | CVWD_1 | CVWD_2 | CVWD_3 | CVWD_4 | CVWD_5 | CVWD_6 | CVWD_7 | CVWD_8 | CVWD_9 | CVWD_10 | CVWD_11 | CVWD_12 | CVWD_14 | CVWD_15 |
|----------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 2.60E+00 | 1981.51         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.26E+01 | 1981.53         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.26E+01 | 1981.56         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.00E+01 | 1981.58         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.26E+01 | 1981.59         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 4.66E+01 | 1981.63         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 6.10E+01 | 1981.67         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 6.36E+01 | 1981.67         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 7.76E+01 | 1981.71         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 9.20E+01 | 1981.75         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 9.46E+01 | 1981.76         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.09E+02 | 1981.80         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.22E+02 | 1981.83         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.25E+02 | 1981.84         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.39E+02 | 1981.88         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.53E+02 | 1981.92         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.56E+02 | 1981.93         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.70E+02 | 1981.96         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.83E+02 | 1982.00         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 1.86E+02 | 1982.01         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.00E+02 | 1982.05         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.14E+02 | 1982.09         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.17E+02 | 1982.09         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.31E+02 | 1982.13         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.45E+02 | 1982.17         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.48E+02 | 1982.18         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.62E+02 | 1982.22         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.73E+02 | 1982.25         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.76E+02 | 1982.26         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 2.90E+02 | 1982.29         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.04E+02 | 1982.33         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.07E+02 | 1982.34         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.21E+02 | 1982.38         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.34E+02 | 1982.42         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.37E+02 | 1982.42         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.51E+02 | 1982.46         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.65E+02 | 1982.50         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.68E+02 | 1982.51         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.82E+02 | 1982.55         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| 3.95E+02 | 1982.58         | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |

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| Time     | Time<br>(years) | CVWD_1  | CVWD_2 | CVWD_5  | CVWD_6 | CVWD_7 | CVWD_8 | CVWD_9 | CVWD_10 | CVWD_11 | CVWD_12 | CVWD_14 | CVWD_15 |
|----------|-----------------|---------|--------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 7.82E+03 | 2002.93         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.83E+03 | 2002.94         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.84E+03 | 2002.98         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.85E+03 | 2003.02         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.86E+03 | 2003.02         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.87E+03 | 2003.06         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.88E+03 | 2003.10         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.89E+03 | 2003.11         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.90E+03 | 2003.15         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.92E+03 | 2003.18         | -0.3769 | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.92E+03 | 2003.19         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.93E+03 | 2003.23         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.94E+03 | 2003.26         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.95E+03 | 2003.27         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.96E+03 | 2003.31         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.97E+03 | 2003.35         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 7.98E+03 | 2003.35         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 7.99E+03 | 2003.39         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.00E+03 | 2003.43         | 0.0000  | 0.0000 | -0.5534 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.01E+03 | 2003.44         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.02E+03 | 2003.47         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.04E+03 | 2003.51         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.04E+03 | 2003.52         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.05E+03 | 2003.56         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.07E+03 | 2003.60         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.07E+03 | 2003.60         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.08E+03 | 2003.64         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.10E+03 | 2003.68         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.10E+03 | 2003.69         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.11E+03 | 2003.73         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.13E+03 | 2003.77         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |
| 8.13E+03 | 2003.77         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5384 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.14E+03 | 2003.81         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5384 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.16E+03 | 2003.85         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5384 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.16E+03 | 2003.86         | -0.3769 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.17E+03 | 2003.89         | -0.3769 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.19E+03 | 2003.93         | -0.3769 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.19E+03 | 2003.94         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.20E+03 | 2003.98         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.22E+03 | 2004.02         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.22E+03 | 2004.02         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.23E+03 | 2004.06         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |
| 8.25E+03 | 2004.10         | 0.0000  | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |



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| Time     | Time (years) | CVWD_1  | CVWD_2 | CVWD_3 | CVWD_4 | CVWD_5 | CVWD_6 | CVWD_7 | CVWD_8  | CVWD_9  | CVWD_10 | CVWD_11 | CVWD_12 | CVWD_14 | CVWD_15 |
|----------|--------------|---------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 9.56E+03 | 2007.69      | 0.0001  | 0.0319 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0002 | -0.5381 | 0.0000  | -0.1802 | 0.0000  | 0.0000  |         |         |
| 9.57E+03 | 2007.73      | 0.0001  | 0.0365 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0003 | -0.5381 | 0.0000  | -0.1802 | 0.0000  | 0.0000  |         |         |
| 9.59E+03 | 2007.77      | 0.0001  | 0.0417 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0003 | -0.5381 | 0.0000  | -0.1802 | 0.0000  | 0.0000  |         |         |
| 9.59E+03 | 2007.78      | 0.0001  | 0.0427 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0003 | -0.5384 | -0.4647 | -0.8784 | 0.0000  | -0.0162 |         |         |
| 9.60E+03 | 2007.81      | 0.0001  | 0.0484 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0004 | -0.5384 | -0.4647 | -0.8784 | 0.0000  | -0.0162 |         |         |
| 9.62E+03 | 2007.85      | 0.0001  | 0.0544 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0004 | -0.5384 | -0.4647 | -0.8784 | 0.0000  | -0.0162 |         |         |
| 9.62E+03 | 2007.86      | -0.3768 | 0.0556 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0004 | -0.5384 | -0.5338 | -0.8752 | 0.0000  | -0.0162 |         |         |
| 9.63E+03 | 2007.90      | -0.3768 | 0.0624 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0005 | -0.5384 | -0.5338 | -0.8752 | 0.0000  | -0.0162 |         |         |
| 9.65E+03 | 2007.94      | -0.3768 | 0.0699 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0006 | -0.5384 | -0.5338 | -0.8752 | 0.0000  | -0.0162 |         |         |
| 9.65E+03 | 2007.94      | -0.3768 | 0.0713 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0006 | -0.5384 | -0.5338 | -0.8789 | 0.0000  | -0.0162 |         |         |
| 9.67E+03 | 2007.98      | -0.3768 | 0.0792 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0006 | -0.5384 | -0.5338 | -0.8789 | 0.0000  | -0.0162 |         |         |
| 9.68E+03 | 2008.02      | -0.3768 | 0.0872 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0007 | -0.5384 | -0.5338 | -0.8789 | 0.0000  | -0.0162 |         |         |
| 9.68E+03 | 2008.02      | -0.3768 | 0.0887 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0007 | -0.5384 | -0.5338 | -0.8789 | 0.0000  | -0.0162 |         |         |
| 9.70E+03 | 2008.06      | -0.3767 | 0.0976 | 0.0001 | 0.0000 | 0.0003 | 0.0000 | 0.0008 | -0.5384 | -0.5338 | -0.8789 | 0.0000  | -0.0162 |         |         |
| 9.71E+03 | 2008.10      | -0.3767 | 0.1071 | 0.0001 | 0.0000 | 0.0003 | 0.0000 | 0.0009 | -0.5384 | -0.5338 | -0.8789 | 0.0000  | -0.0162 |         |         |
| 9.71E+03 | 2008.11      | 0.0002  | 0.1089 | 0.0002 | 0.0000 | 0.0003 | 0.0000 | 0.0009 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.73E+03 | 2008.15      | 0.0003  | 0.1186 | 0.0002 | 0.0000 | 0.0004 | 0.0000 | 0.0011 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.74E+03 | 2008.19      | 0.0003  | 0.1291 | 0.0002 | 0.0000 | 0.0004 | 0.0000 | 0.0012 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.74E+03 | 2008.19      | 0.0003  | 0.1310 | 0.0002 | 0.0000 | 0.0005 | 0.0000 | 0.0012 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.76E+03 | 2008.23      | 0.0003  | 0.1404 | 0.0002 | 0.0000 | 0.0005 | 0.0000 | 0.0014 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.77E+03 | 2008.27      | 0.0004  | 0.1488 | 0.0003 | 0.0000 | 0.0006 | 0.0000 | 0.0015 | -0.5501 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.77E+03 | 2008.27      | 0.0004  | 0.1504 | 0.0003 | 0.0000 | 0.0006 | 0.0000 | 0.0016 | -0.5384 | -0.5378 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.79E+03 | 2008.31      | 0.0004  | 0.1585 | 0.0003 | 0.0000 | 0.0006 | 0.0000 | 0.0017 | -0.5384 | -0.5378 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.80E+03 | 2008.35      | 0.0005  | 0.1670 | 0.0003 | 0.0000 | 0.0007 | 0.0000 | 0.0019 | -0.5384 | -0.5378 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.80E+03 | 2008.36      | 0.0005  | 0.1687 | 0.0003 | 0.0000 | 0.0007 | 0.0000 | 0.0020 | -0.5384 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.82E+03 | 2008.40      | 0.0006  | 0.1796 | 0.0004 | 0.0000 | 0.0008 | 0.0000 | 0.0022 | -0.5384 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.83E+03 | 2008.43      | 0.0006  | 0.1910 | 0.0004 | 0.0000 | 0.0009 | 0.0000 | 0.0025 | -0.5384 | -0.5384 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.83E+03 | 2008.44      | 0.0006  | 0.1935 | 0.0004 | 0.0000 | 0.0010 | 0.0000 | 0.0024 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.85E+03 | 2008.48      | 0.0007  | 0.2074 | 0.0005 | 0.0000 | 0.0011 | 0.0000 | 0.0028 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.86E+03 | 2008.52      | 0.0008  | 0.2229 | 0.0005 | 0.0000 | 0.0013 | 0.0000 | 0.0031 | -0.5501 | -0.5338 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.86E+03 | 2008.53      | -0.3764 | 0.2259 | 0.0005 | 0.0000 | 0.0013 | 0.0000 | 0.0032 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.88E+03 | 2008.56      | -0.3763 | 0.2426 | 0.0006 | 0.0000 | 0.0015 | 0.0000 | 0.0036 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.89E+03 | 2008.60      | -0.3762 | 0.2596 | 0.0006 | 0.0000 | 0.0017 | 0.0000 | 0.0041 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.89E+03 | 2008.61      | -0.3762 | 0.2631 | 0.0007 | 0.0000 | 0.0018 | 0.0000 | 0.0042 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.91E+03 | 2008.65      | -0.3761 | 0.2824 | 0.0007 | 0.0000 | 0.0021 | 0.0000 | 0.0047 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.92E+03 | 2008.69      | -0.3760 | 0.3036 | 0.0008 | 0.0000 | 0.0023 | 0.0000 | 0.0053 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.93E+03 | 2008.69      | -0.3760 | 0.3076 | 0.0008 | 0.0000 | 0.0023 | 0.0000 | 0.0055 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.94E+03 | 2008.73      | -0.3759 | 0.3298 | 0.0009 | 0.0000 | 0.0026 | 0.0000 | 0.0062 | -0.5501 | -0.4647 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.95E+03 | 2008.77      | -0.3758 | 0.3539 | 0.0010 | 0.0000 | 0.0029 | 0.0000 | 0.0069 | -0.5501 | -0.4646 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.96E+03 | 2008.78      | -0.3757 | 0.3584 | 0.0011 | 0.0000 | 0.0031 | 0.0000 | 0.0072 | -0.5384 | -0.5337 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.97E+03 | 2008.82      | -0.3755 | 0.3835 | 0.0012 | 0.0000 | 0.0033 | 0.0000 | 0.0081 | -0.5384 | -0.5337 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.98E+03 | 2008.85      | -0.3754 | 0.4086 | 0.0014 | 0.0000 | 0.0036 | 0.0000 | 0.0091 | -0.5384 | -0.5337 | -0.1844 | 0.0000  | 0.0000  |         |         |
| 9.99E+03 | 2008.86      | -0.3754 | 0.4137 | 0.0013 | 0.0000 | 0.0036 | 0.0000 | 0.0093 | -0.5501 | -0.5337 | -0.1844 | 0.0000  | 0.0000  |         |         |